Commissioner for Patents
Amendment dated July 29, 2005
Response to Office Action dated March 1, 2005
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Serial No.: 09/965009
Art Unit: 2142
Examiner: Hollar
Docket No. AUS9 2001 0429 US1

Amendments to the Specification:

Please replace the paragraph beginning at line 19, page 8, with the following:

 If the first fragment of the requested data object is not in file cache 135, server 111 will retrieve (block 408) the first fragment from a lower tier of storage. The lower tier of storage may include a local disk 124 of server 111, a networked storage device 133, or a remote system memory 122 of another server 111 on server cluster 101. After retrieving the first fragment from the lower tier of storage, server 111 may update **(block 410)** the contents of file cache 135 to include the first fragment 137 of the requested file. While the invention is not limited to a particular method of determining which files are cached, the updating of file cache 135 to include the retrieved fragment may proceed according to a least recently used criteria in which the newly retrieved fragment replaces the first fragment currently stored in file cache 135 that has been least recently accessed. This method implies maintaining in the file cache directory not only information identifying the content of file cache 135, but also information indicating when the respective files were most recently accessed. File server 111 may also decide not to cache a retrieved file in file cache 135 if, for example, the file is rarely requested. File server 111 may maintain a log of requested files and make a determination of which files are most frequently requested from the log information.